

Patent Abstracts of Japan

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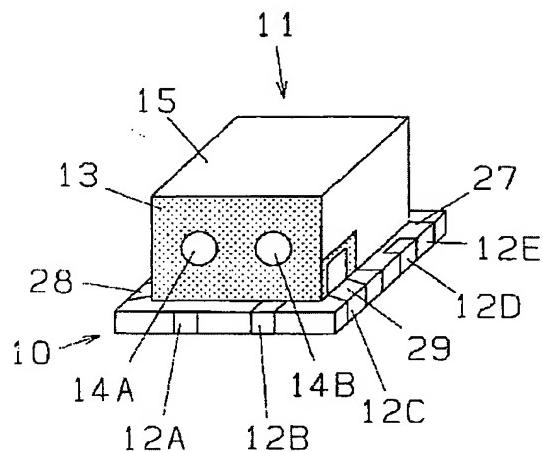
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TITLE : BALUN TRANSFORMER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a miniaturized balun transformer which has an improved capability of removing noises having frequencies outside a frequency band to be used.

SOLUTION: A multilayer substrate incorporating first and second coils serially connected, a third coil electromagnetically coupled to the first coil and a fourth coil electromagnetically coupled to the second coil is formed by laminating an insulator layer and a conductor pattern. A dielectric filter is packaged on the multilayer substrate. The first coil is connected to an unbalanced terminal via the dielectric filter. The third coil is connected between a first balanced terminal and the ground. The fourth coil is connected between a second balanced terminal and the ground.

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